# **Public Notice**



Applicant:

Cornell University

Date:

Published: Feb. 26, 2001 Expires: Mar. 28, 2001

U.S. Army Corps of Engineers

in Reply Refer To:

Buffalo District CELRB-CO-R RE: 2001-00543(0) Section: NY 404

Application for Permit under Authority of Section 404 of the Clean Water Act (33 U.S.C. 1344).

Cornell University, Laboratory of Ornithology, 102 Humphreys Service Building, Ithaca, New York 14853, has applied for a Department of the Army permit to fill 1.5 acres of wetland for the expansion of an existing research and visitor center. The project is located at 159 Sapsucker Woods Road, in the Village of Lansing, Tompkins County, New York. The wetlands are adjacent to tributaries of Cayuga Lake.

Approximately 13.7 acres of wetlands were delineated within the 43-acre project area. The wetlands consist of 8.7 acres of forested wetland (PFO1E), 0.7 acre of scrub shrub (PSS1F), and 0.5 acre of wetland swales. There are two areas of open water habitat within the project area. The first area is a 3.4-acre existing farm pond, and the second section is a portion of a large pond (see Sheet No. 3 of 18).

Cornell Lab of Ornithology has proposed to construct an 83,000 square foot facility immediately north of the existing facility. The total amount of wetlands impacted by the expansion project will be approximately 1.5 acres. Specifically, the project as proposed will impact Wetlands A, B, C, D, and E as depicted on Sheet No. 5 of 18.

In order to mitigate for the proposed impacts, Cornell Lab of Ornithology has proposed to create, enhance and preserve, in perpetuity, a total of 2.9 acres of wetland. Approximately 1.6 acres of new wetland will be created on the property as per Sheet Nos. 10 and 11 of 18. The created mitigation area will provide scrub shrub, wet meadow, emergent and open water habitat. In addition, Cornell proposes to enhance the isolated farm pond to provide 1.2 acres of deep marsh, wet meadow and scrub shrub wetlands. This plan was designed to enhance breeding bird and other wildlife habitat and to increase plant species diversity within the sanctuary.

The purpose of the proposed expansion is to provide a two-story visitor and research center that overlooks the 220-acre Sapsucker Woods Bird Sanctuary.

Location and details of the above described work are shown on the attached maps and drawings.

Questions pertaining to the work described in this notice should be directed to Sandra L. Doran, who can be contacted by calling (315) 255-8090, or by e-mail at: sandra.l.doran@usace.army.mil

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

There are no registered historic properties or properties listed as being eligible for inclusion in the National Register of Historic Places that will be affected by this project.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 7413 County House Road, Auburn, New York 13021-8964, and should be marked to the attention of Sandra L. Doran, or by e-mail at: sandra.l.doran@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

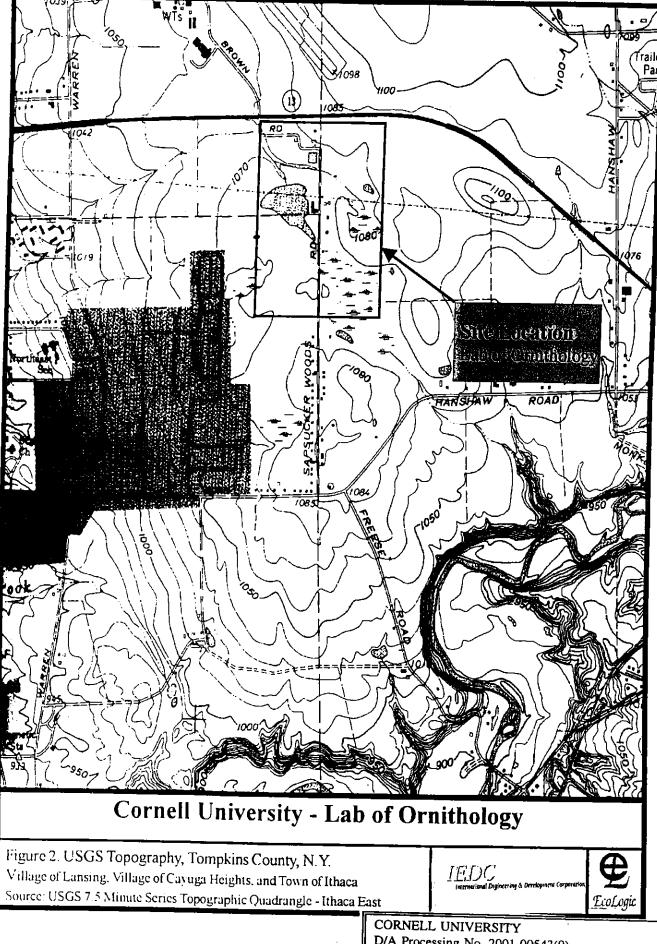
The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the

preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

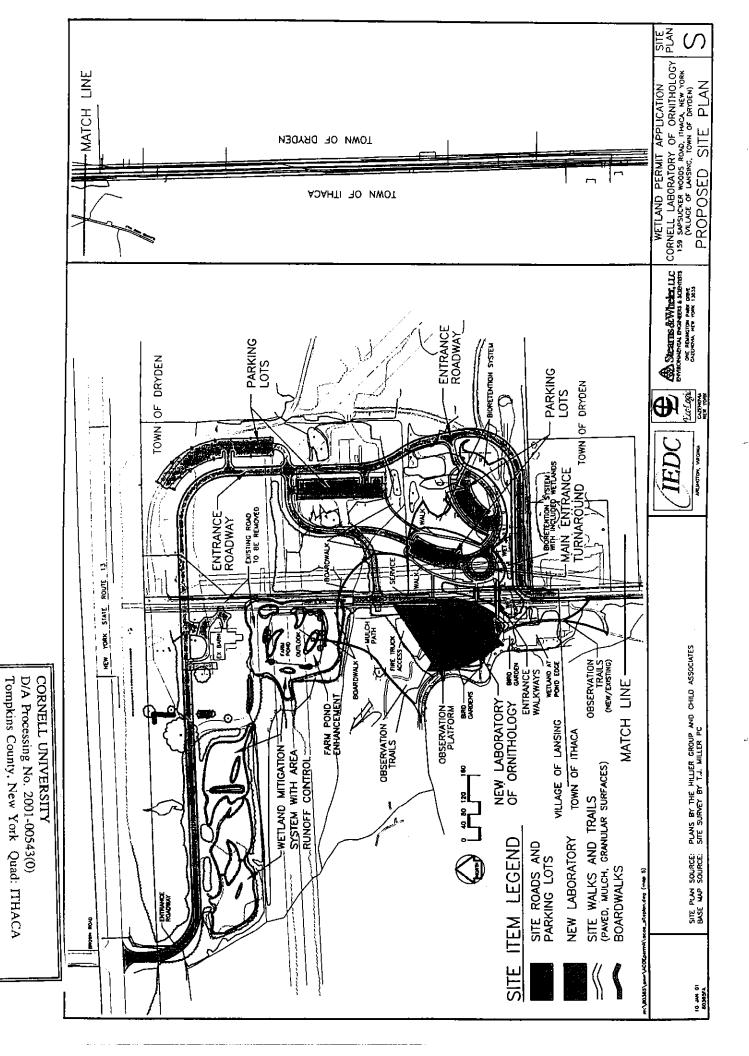
Paul G. Leuchner

Chief, Regulatory Branch

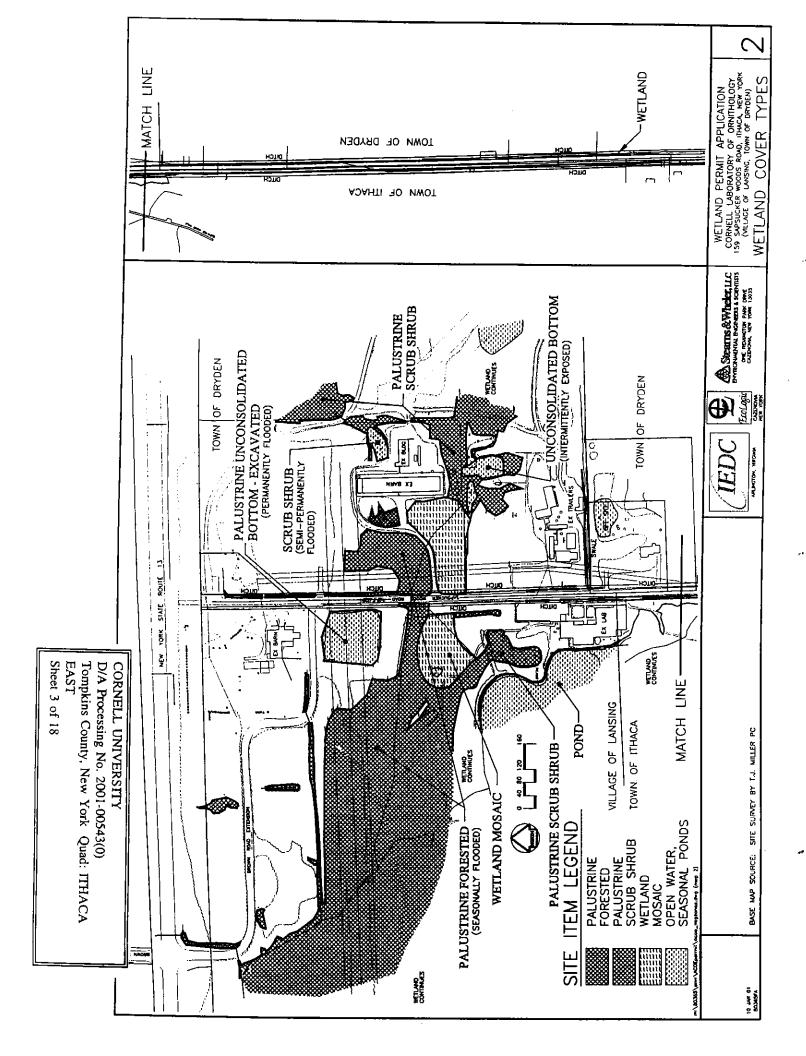
NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.



CORNELL UNIVERSITY
D/A Processing No. 2001-00543(0)
Tompkins County, New York Quad: ITHACA
EAST
Sheet 1 of 18



EAST Sheet 2 of 18



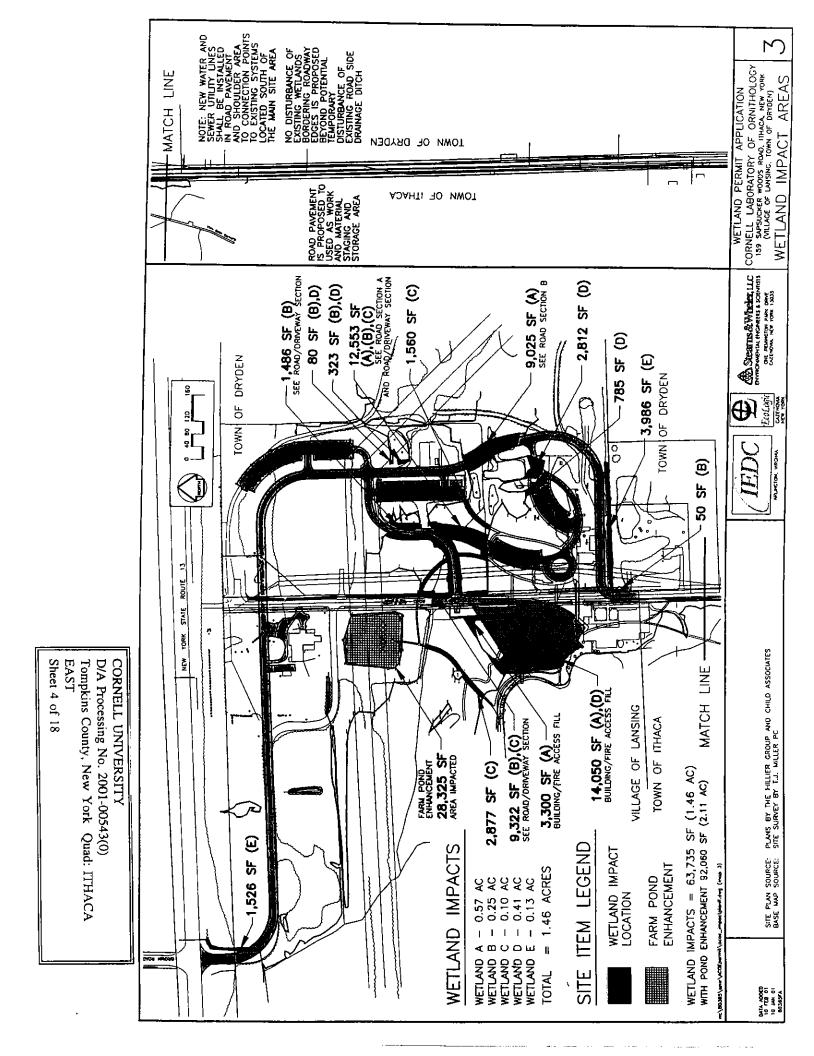


Table 1. TABLE OF WETLAND IMPACTS

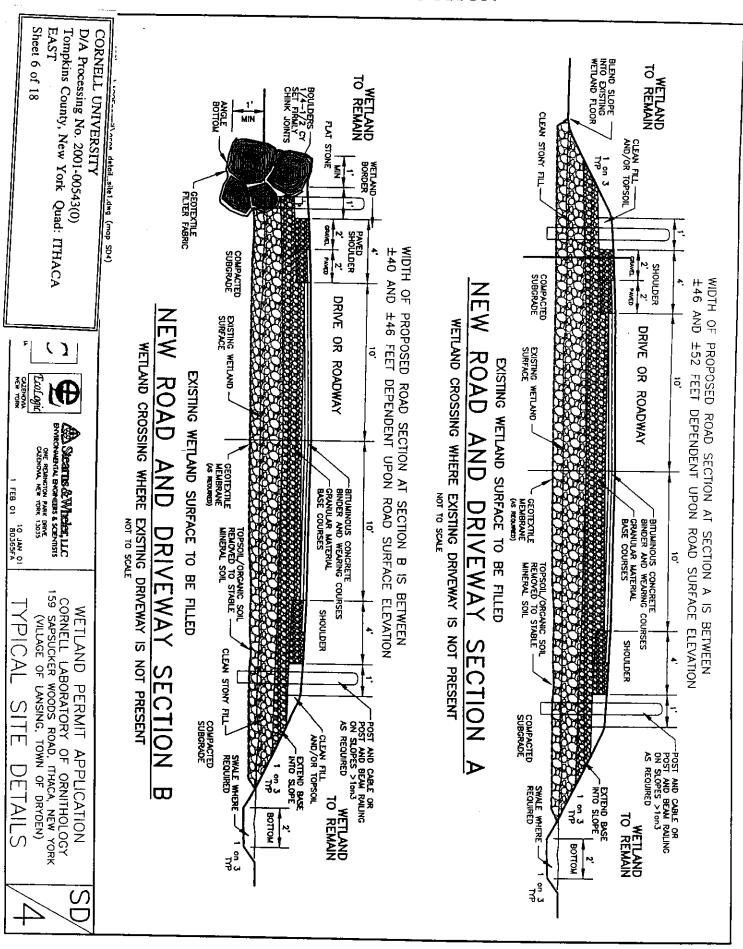
Wetland	Sq. Feet	Roadside Ditches	PFO	PSS	PEM	POW	UPLAND	SUM
Existing Wetlands within the Project Ar	ea	0.50	8.70	0.70	0.00	(PUBHx)		
Pond Fringe Included in Project Area		0.00	0.70	0.70	0.00	3.42		13.32
Total Wetlands within Project Area						0.38	<del></del>	0.38
Upland Portion of Site within Project Ar	ea						20.20	13.70
Total Project Site		0.50	8.70	0.70	0.00	3.80	29.30 29.30	29.30
II. IMPACTED WETLANDS				00	0.00	3.00	29.30	43.00
Wetland	Sq. Feet	Acres	PFO	PSS	PEM	POW	UPLAND	SUM
Wetland A (forested and mosaic	0.4070							
Wetland B (road edge)	24878	0.00	0.57					0.57
Wetland C (walking paths)	10858	0.25						0.25
Welland C (warking pains) Welland D (scrub shrub)	4437	0.00	0.10	_				0.10
Wetland E (roadside ditches)	18050	a		0.41				0.41
Total Wetland Cover Types	5512	0.13						0.13
otal Wetland Cover Types	63735	0.38	0.67	0.41	0.00	0.00	0.00	1.46
II. MITIGATION WETLANDS								
Wetland	Sq. Feet	Асгез	PFO	PSS	PEM	POW	UPLAND	SUM
Vetland Mitigation areas		<del></del>				1017	OFCAND	30141
Brown Road Extension								
Vetland A Open Water (deep marsh)	1630	0.04				0.04		0.04
Vetland B Emergent Marsh (marsh 2)	10687	0.25			0.25	0.04		0.04
Vetland C Wet Meadow (marsh 1)	26534	0.61			0.61			0.23
Vetland D Scrub-shrub Habitat**	33193	0.76		0.76	0.01			0.76
Pond Enhancement Area								
/etland E Open Water (deep marsh)*	1339	0.03				0.00		
/etland F Emergent Marsh (marsh 2)	6185	0.14				0.03		0.03
/etland G Wet Meadow (marsh 1)	19287	0.44			0.44			
etland H Scrub-Shrub Habitat**	29031	0.67		0.67	0.44			0.44 0.67
etland Adjacent Areas								
Brown Road Extension								
Upland Hummocks	3781	0.09					0.09	0.09
Upland Buffer***	26630	0.61		0.61				0.61
Pond Enhancement Area								
Upland Hummocks	4626	0.11					0.44	
Upland Buffer***	18805	0.43		0.43			0.11	0.11 0.43
Created Wetlands for Stormwater								
Created wetlands by Building	15517							
Mitigation stormwater	6541	0.15		0.45				_
Bioretention Areas	34441	0.15	0.79	0.15				0.15
otal Created Cover Types	238226	5.11	0.79	2.62	1.30	0.07	0.19	0.79 <b>4.97</b>
hange in Cover Types (wetlands)			0.40					
ngingo ini cosar i Ahaz (Matigudz)			U.12	2.21	1 30	ሰለን	0.40	0.54
otal Conservation Area to be Preserv			0.12	2.21	1.30	0.07	0.19	3.51

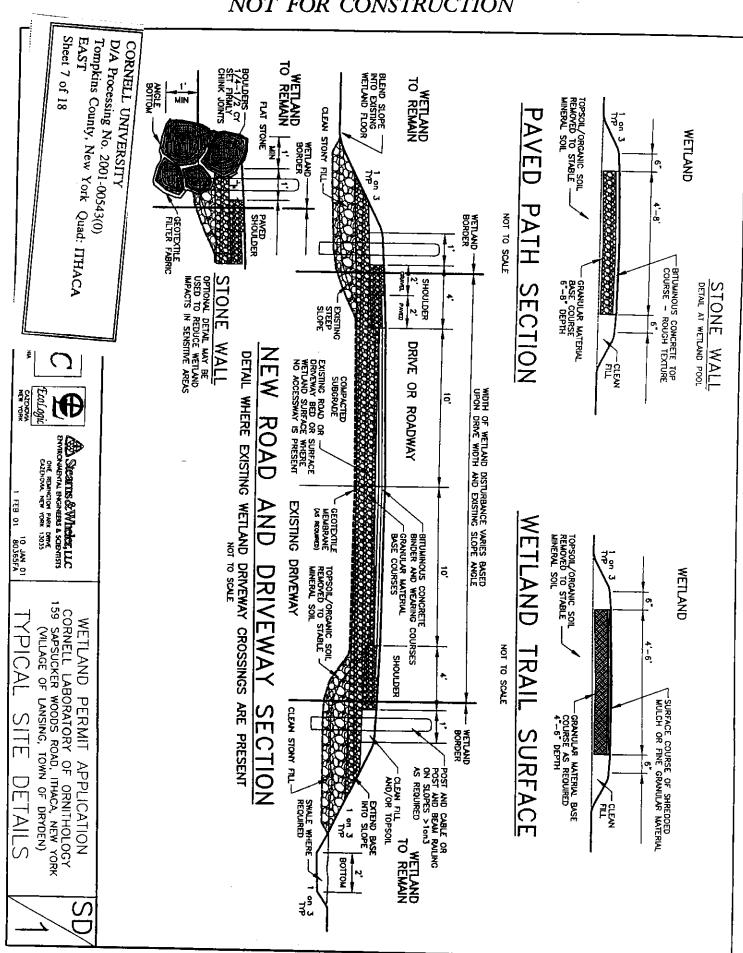
CORNELL UNIVERSITY

D/A Processing No. 2001-00543(0)
Tompkins County, New York Quad: ITHACA

EAST

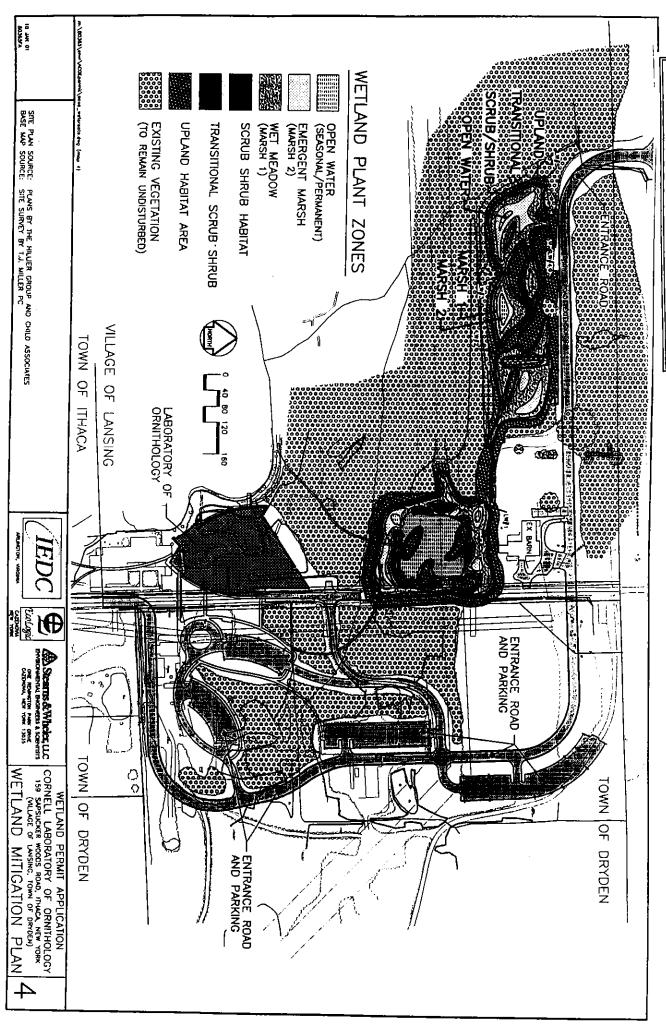
Sheet 5 of 18





# NOT FOR CONSTRUCTION EAST Tompkins County, New York Quad: ITHACA D/A Processing No. 2001-00543(0) CORNELL UNIVERSITY Sheet 8 of 18 .6" 4'-0" 2'-6" MAX. 2'-10 1/2" 6" 2" 90 80 80 00 1-8"Ø 00 COMPACTED AGGREGATE AS REQUIRED IN UNSTABLE AND SOFT SOIL CONDITIONS 4X6 WOOD EDGE w/ RECESSED LIGHT EcoLogic DETAIL PROVIDED BY CHILD ASSOCIATES NOT TO SCALE LOW BOARDWALK SECTION Steams & Wheles, LLC ENVIRONMENTAL ENGINEERS & SCIENTISTS 2 1/2" ONE PELINGION PARK DRIVE CAZENOVA, NEW YORK 13035 CORNELL LABORATORY OF ORNITHOLOGY 159 SAPSUCKER WOODS ROAD. ITHACA, NEW YORK (VILLAGE OF LANSING, TOWN OF DRYDEN) WETLAND PERMIT **6X6 PTW POST** 2x6 PTW JOIST WOOD DECK - STAIN TO MATCH BUILDING 2x4 WOOD RAIL ALUMINUM POST - PAINT TO MATCH BUILDING w/ STAINLESS STEEL CABLES 2x4 WOOD RAIL (2) 2x6 PTW BEAM WOOD HANDRAIL **APPLICATION**

CORNELL UNIVERSITY
D/A Processing No. 2001-00543(0)
Tompkins County, New York Quad: ITHACA
EAST
Sheet 10 of 18



CORNELL UNIVERSITY

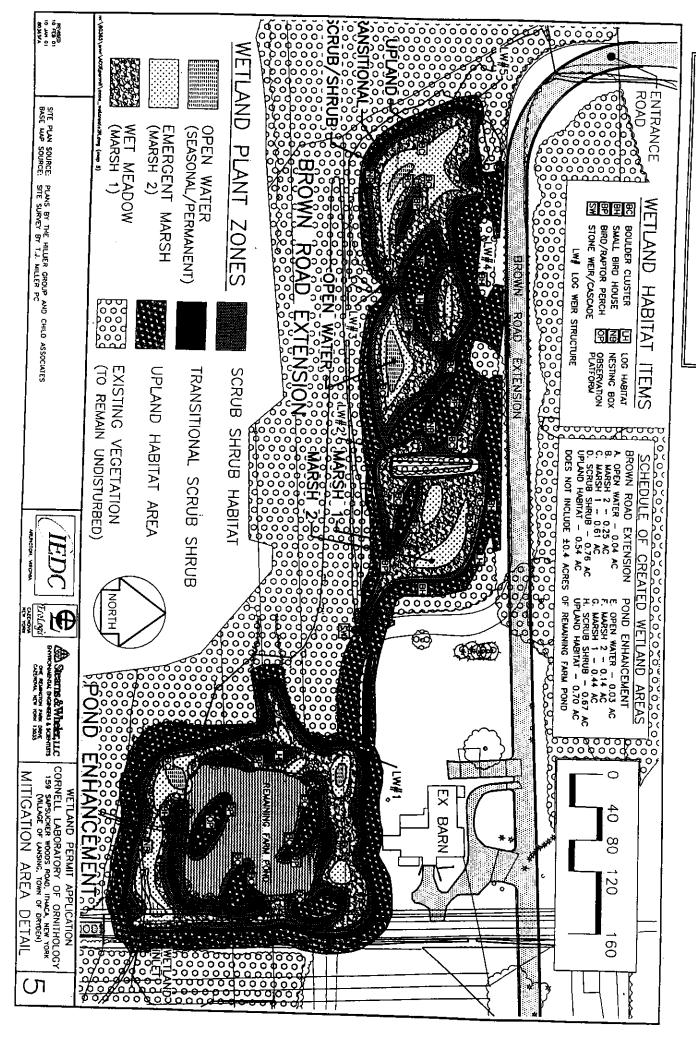
D/A Processing No. 2001-00543(0)

Tompkins County, New York Quad: ITHACA

EAST

Sheet 11 of 18

# NOT FOR CONSTRUCTION



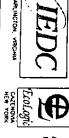
# NOT FOR CONSTRUCTION

Tompkins County, New York Quad: ITHACA D/A Processing No. 2001-00543(0)

CORNELL UNIVERSITY

Sheet 12 of 18







AND SUCRITIS & Wheler, LLC

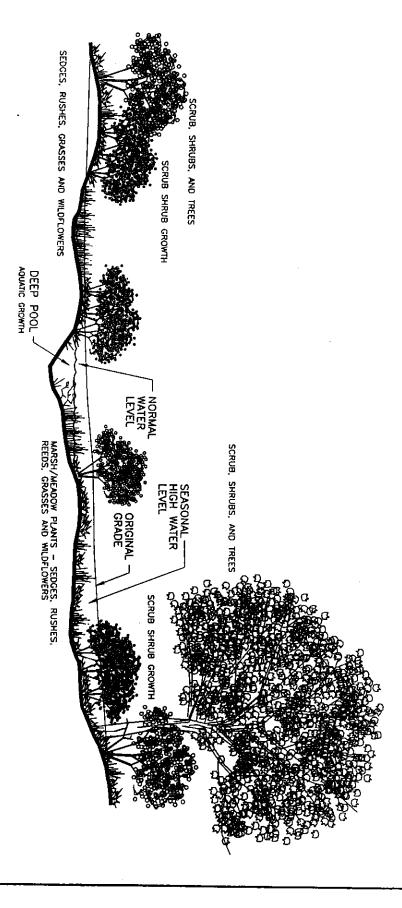
SHOWING VEGETATION ASSOCIATIONS AND GROWTH PATTERNS

DETAIL NOT TO SCALE

CREATED

SECTION

CORNELL LABORATORY OF ORNITHOLOGY 159 SAPSUCKER WOODS ROAD, ITHACA, NEW YORK (VILLAGE OF LANSING, TOWN OF DRYDEN) WETLAND PERMIT APPLICATION LAND DETAILS



CORNELL UNIVERSITY

Tompkins County, New York Quad: ITHACA

Sheet 13 of 18 D/A Processing No. 2001-00543(0)

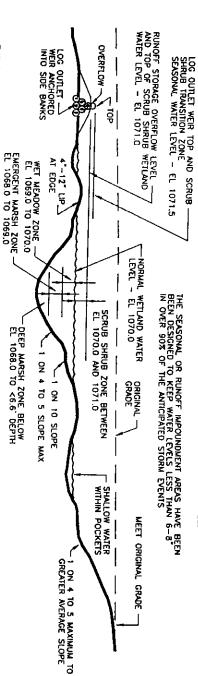
INCION VIRCHI

EcoLogic CAZENOVA NEW YORK

10 JAN 01 80365FA

THE CREATED WETLANDS REQUIRE AN OUTLET STRUCTURE TO ENABLE THE ADDITIONAL STORAGE OF RUNOFF WATER FROM THE GENERAL WATERSHED AREA. LOG DIKES SHALL BE USED TO PROVIDE THE OUTLET CONTROL FOR THE RUNOFF STORAGE AND RELEASE.

THE WETLAND SURFACE ELEVATIONS NOTED IN THE SECTION AND ON PLANS ARE BASED UPON WATER LEVEL INDICATORS SET FOR LESS THEN ONE YEAR THESE SHALL BE USED AS BASIS FOR START OF EXCAVATION WITH WETLAND SURFACE ELEVATIONS ADJUSTED TO COORDINATE WITH ACTUAL WATER TABLE ELEVATIONS ENCOUNTERED IN FIELD.



THE CREATED WETLANDS ARE PLANNED TO BE EXCAVATED INTO THE SEASONAL GROUND WATER TABLE AND WILL ALSO FUNCTION THROUGH THE COLLECTION, STORAGE, AND SLOW RELEASE OF STORMWATER RUNOFF FROM THE GENERAL WATERSHED AREA

OPEN WATER AND DEEP MARSH/POOL AREAS HAVE BEEN MAINTAINED (FARM POND) OR ESTABLISHED IN LOCATIONS IN THE WEILANDS TO PROVIDE MABITAT FOR AQUATIC LIFE DURING DRYER SEASONS OF THE YEAR.

# TYPICAL CREATED WETL AND SECTION

SHOWING SURFACE FEATURES, WATER LEVELS, AND SLOPES
WETLAND ZONES AND SURFACE ELEVATIONS: FOR BROWN ROAD EXTENSION EAST BASIN AREA DEPICTED IN SECTION Sicarns & Wheler; LLC DETAIL NOT TO SCALE

CORNELL LABORATORY OF ORNITHOLOGY 159 SAPSUCKER WOODS ROAD, ITHACA, NEW YORK (VILLAGE OF LANSING, TOWN OF DRYDEN) WETLAND PERMIT APPLICATION LAND TAILS

# NOT FOR CONSTRUCTION

11.5

11.0

10.0 -10.5

EXAGGERATED

SCALE

-NOMINAL OVERALL GRADIENT ACROSS WETLAND TO OUTLET (450 MAY BE CALED MOBILE MATER SURFACE)

9

D SURFACE BELOW NOMINAL SURFACE SURFACE SEASONAL HIGH WATER-LEVEL IN WETLAND (STORW FLOOD LEVELS MICHOR) CATTAILS RUSHES CONSTRUCTION FIELD DIRECTION SHALL BE GIVEN TO IMPLEMENT THESE KEY TOPOGRAPHIC FEATURES NOTE: GRADING LINES DEPICTED ON PLAN ARE ARE DRAWN SMOOTHLY, ACTUAL SURFACE GRADES ACROSS WETLAND FLOOR SHALL REFLECT HUMMOCK AND HOLLOW TOPOGRAPHY OF NATURAL WETLANDS. THESE VARIED SURFACE ELEVATIONS ARE DELINEATED IN THIS TYPICAL DETAIL. FOR SHRUB CROWTH BOULDER DRAINAGEWAY
IN WETLAND
BELOW NOMINAL
SURFACE 10.0 10.5 11.0

BOULDERS, 4 MINIMUM -

BRANCH ENDS -2 MAX HEIGHT 6 MIN, DIAMETER 10' TO 15' MINIMUM AD ALL FOCE DRIVE FLUSH ₹ REBAR LARGE BOULDERS, AVG 1 CUBIC YARD, SET ON TOP OF TRUNK

PLAN VIEW

SECTION 

20' TO 25' LONG ELM TRUNK, MINIMUM BUTT DIAMETER 18" TO 24", MINIMUM OF 3 MAIN BRANCHES/LIMBS AND SEVERAL SUBBRANCHES

BOULDERS AND SMALLER STONE FOR INTERSTICE AREAS SHALL BE SUPPLIED FROM A LOCAL QUARRY SOURCE AND SHALL BE MATERIALS INDIGENIOUS TO THE LOCAL AREA. ANCHOR BRANCH ENDS INTO GRADE

HABITAT

NOT TO SCALE

DISPLAYS DESIRED HUMMOCK AND HOLLOW FEATURES FOR WABLE WETLAND HABITAT WETLAND SECTION

NOT TO SCALE

Sheet 14 of 18

CORNELL UNIVERSITY

D/A Processing No. 2001-00543(0) Tompkins County, New York Quad: ITHACA

WILINGTON, VIRGINI

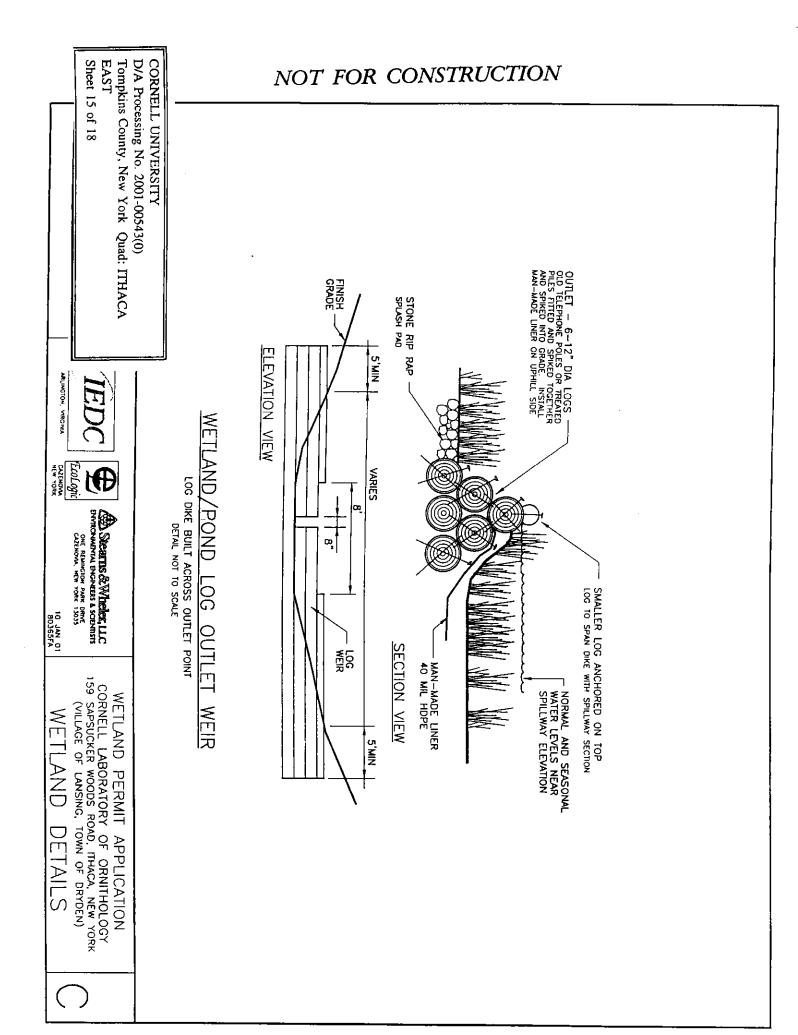


ENVIRONMENTAL ENGINEERS & SCIENTISTS

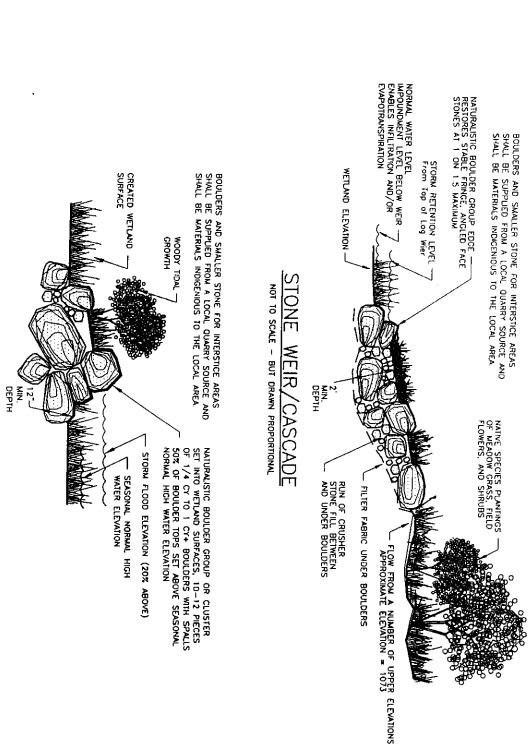
80365FA

CORNELL LABORATORY OF ORNITHOLOGY 159 SAPSUCKER WOODS ROAD, ITHACA, NEW YORK (VILLAGE OF LANSING, TOWN OF DRYDEN) WETLAND PERMIT APPLICATION

LAND TAILS



# NOT FOR CONSTRUCTION



# BOULDER CLUSTER, (GROUP WILDLIFE

TYPICAL SECTION - SET BOULDERS WHERE SHOWN ON PLANS NOT TO SCALE

Sheet 16 of 18

Tompkins County, New York Quad: ITHACA

D/A Processing No. 2001-00543(0)

CORNELL UNIVERSITY

VAUNCTON, VIRGINIA

EcoLogic

10 JAN 01 80365FA

Steams & Wheler, LLC

CORNELL LABORATORY OF ORNITHOLOGY 159 SAPSUCKER WOODS ROAD, ITHACA, NEW YORK (VILLAGE OF LANSING, TOWN OF DRYDEN) LAND

WETLAND PERMIT APPLICATION

\$;4

D/A Processing No. 2001-00543(0) Tompkins County, New York Quad: ITHACA CORNELL UNIVERSITY

Sheet 17 of 18

PRÔPOSED TREES SHALL HAVE A MINIMUM BUTT DIAMETER OF 18" TO 24" WITH A MINIMUM OF 3 MAIN BRANCHES/LIMBS AND SEVERAL SUBBRANCHES

HABITAT FEATURE NOT TO SCALE BIRD RAPTER

PERCH

ENVIRONMENTAL ENCAPERS & SOEMISTS
ONE REUNICION PARA DRVE
CAZENDAM, NEW YORK 15033 10 JAN 01 80365FA

CORNELL LABORATORY OF ORNITHOLOGY 159 SAPSUCKER WOODS ROAD, ITHACA, NEW YORK (VILLAGE OF LANSING, TOWN OF DRYDEN) WETLAND PERMIT APPLICATION TAILS

26' TO 28' MINIMUM HEIGTH TO TOP OF TREE 18' TO 22' MINIMUM HEIGHT TO MAIN PERCH BRANCH GROUND WITH
#5 REBAR RODS
AS ANCHORS BRANCH ENDS CLEAN CUT BOULDERS AND SMALLER STONE FOR INTERSTICE AREAS SHALL BE SUPPLIED FROM A LOCAL QUARRY SOURCE AND SHALL BE MATERIALS INDIGENIOUS TO THE LOCAL AREA. LARGE DEAD TREE TRUNKS BURIED INTO GRADE TO CREATE RAPTER/BIRD PERCH LOCATIONS WITHIN CREATED WETLANDS. ELM OR BLACK LOCUST TRUNKS SHALL BE USED. STRIP BARK FROM TRUNKS PRIOR TO SETTING. SECONDARY LOWER PERCH TREE SET WITH TOP AT 6' TO 10' FROM GROUND SURFACE SET TRUNK AT LEAST 5 FEET INTO GRADE LOCAL QUARRY BOULDERS NESTED INTO GROUND TO HOLD TREE TRUNKS WITH TOPS EXPOSED AS SUNNING AREAS.
BOULDER SIZE 1/2 CY MIN AND GREATER. -WATER

:0

ALINCTON.

EcoLogic

Table 2. Proposed Species List for Created Mitigation Area

Plant Community	Total Area (sq.ft.)	Scientific Name	Common Name	Type of Stock	
Zone 1	23,320.33				
Deep Marsh Habitat					
		Scirpus emericana	Common three square	2" plug	
		Scirpus validus	Soft stem bulrush	1 qt pot	
		Saururus cernuus	Lizard's tail	2" plug	
		Cephalanthus occidentalis	Buttunbush	12"/18" #	
Zone 2	17,080.93	Carex stricta	Tussock sedge	plugs	
Palustrine Emergent Marsh	•	Carex lurida	Lurid sedge	plugs	
		Panicum vergatum	Switchgrass	plugs	
		Cephalanthus occidentalis	Buttonbush	12"/18" #	
		Caltha palustris	Marsh marrigold	plugs	
		Iris versicolor	Blue flag	plugs	
		Peltandra virginica	Arrow arrum	plugs	
		Polygonum hydropiperoides	Swamp smartweed	plugs	
		Pontederia cordata	Pickerweed	plugs	
		Sagittaria latifolia	Common arrow-head	plugs	
		Sparganium eurycarpum	Giant burreed	rhizomes	
one 3	27,537.73	Acorus calamus	Sweet flag	rhizomes	
Wet Meadow		Carex lurida	Shallow sedge	seed	
		Eupatoriadelphus maculetus	Spotted joe-pye-weed	plugs	
		Eupatorium perfoliatum	Boneset	plugs	
		Onoclea sensibilis	Sensitive fern	rhizomes	
		Scirpus atrovirens	Green bullrush	plugs	
		Verbena hastata	Blue vervain	plugs	
		Wetland Seed Mix/Wildflowers	Grasses/Forbs	seed	
one 4	41,722.85	Comus stolinifera	Red-osier dogwood	12"/18" #1	
Scrub-shrub Wetland		Comus amomum	Silky dogwood	12"/18" #1	
		Alnus rugosa	Speckled alder	12"/18" #1	
	-	Sambacus candensis	Common elderberry	12"/18" #1	
		Spirea latifolia	Meadow sweet	12"/18" #1	
		Viburnum dentatum	Arrow-wood	12"/18" #1	
		Quercus bicolor	Swamp white oak	24"/30" #2	
		Acer rubrum	Red maple	24"/30" #2	
		Wetland Seed Mix/Wildflowers	Grasses/Forbs	seed	
one 5	18,098.16	Acer rubrum	Red maple	24"/30" #2	
Scrub-shrub Transitional		Alnus rugosa	Seckled alder	12"/18" #1	
		Cornus foemina	Gray dogwood	12"/18" #1	
		Viburnum dentatum	Arrow-wood	12"/18" #1	
		Vibumum lentago	Nannyberry	12"/18" #1	
		Vibumum trilobum	Highbush cranberry	12"/18" #1	
		Sambacus candensis	Elderberry	12"/18" #1	
		Wetland Seed Mix/Wildflowers	Grasses/forbs	seed	
one 6		Acer saccharinum	Silver maple	24"/30" #2	
Jpland Mounds	8,406.43	Alnus rugosa	Speckled alder	12"/18" #1	
		Thuja occidentalis	•	24"/30" #2	
Jpland Slopes	45,435.68	Aronia arbutifolia	Red chokeberry	12"/18" #1	
	•	Amelanchier arborea	Shadbush	12"/18" #1	
		Festuca arundinacea	Tall fescue	seeds	
		Andropogon scoperius	Little Bluestern	seeds	
		Panicum vergetum	Switchgrass	seeds	
		Panicum clandestinum	Deertongue	seeds	
		Agrostis alba	Redtop	seeds	
		LiALANIIO GING	reatob	26602	
		Rhus typhina	Staghorn sumac	24"/30" #2	

### CORNELL UNIVERSITY

D/A Processing No. 2001-00543(0)
Tompkins County, New York Quad: ITHACA
EAST

Sheet 18 of 18